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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 2-2005) | | ATTORNEY'S DOCKET NUMBER 13369701-0001 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/540908 |
| INTERNATIONAL APPLICATION NO. PCT/CN2003/000095 | INTERNATIONAL FILING DATE 01/28/2003 | PRIORITY DATE CLAIMED 12/27/2002 |
| TITLE OF INVENTION TRIPTOLIDE DERIVATIVES AND THEIR USES | | |
| APPLICANT(S) FOR DO/EO/US Yuanchao LI, Jianping ZUO, Fan ZHANG, Ru ZHOU and Jian DING | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). | | |
| Items 13 to 23 below concern document(s) or information included: | | |
| <ol style="list-style-type: none"> 13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. <input checked="" type="checkbox"/> Express Mail Label No. EV 468352315 US 23. <input checked="" type="checkbox"/> Other items or information: | | |
| PCT Publication PCT WO2004/058770A1 | | |
| PCT Information Concerning Elected Offices Notified of Their Election | | |
| Note: International Search Report in English and Chinese | | |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/540908</div> | | INTERNATIONAL APPLICATION NO. <div style="font-weight: bold; text-align: center;">PCT/CN2003/000095</div> | | ATTORNEY'S DOCKET NUMBER <div style="font-weight: bold; text-align: center;">13369701-0001</div> | |
| The following fees are submitted: | | | | CALCULATIONS | PTO USE |
| 24. <input checked="" type="checkbox"/> Basic national fee | | \$300 | \$ | \$300.00 | |
| 25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). | | \$100 | \$ | \$200.00 | |
| All other situations. | | \$200 | | | |
| 26. <input checked="" type="checkbox"/> Search fee | | | | | |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | \$100 | | | |
| International Search Report prepared and provided to the Office | | \$400 | \$ | \$400.00 | |
| All other situations. | | \$500 | | | |
| TOTAL OF 24, 25 and 26 = | | | \$ | \$900.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE | | |
| - 100 = | 0 /50 = | 0 | x \$250.00 | \$ | \$0.00 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 10 - 20 = | 0 | x \$50.00 | \$ | \$0.00 |
| Independent claims | 1 - 3 = | 0 | x \$200.00 | \$ | \$0.00 |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00 | | | | \$ | \$0.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | \$900.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ | \$0.00 |
| SUBTOTAL = | | | | \$ | \$900.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | \$ | \$0.00 |
| TOTAL NATIONAL FEE = | | | | \$ | \$900.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + | | | | \$ | \$40.00 |
| TOTAL FEES ENCLOSED = | | | | \$ | \$940.00 |
| | | | | Amount to be | \$ |
| | | | | Amount to be | \$ |

a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. 12-2136 in the amount of \$940.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-2136. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Michael S. Gzybowski
 BUTZEL LONG
 350 South Main Street
 Suite 300
 Ann Arbor, MI 48104

SIGNATURE
 Michael S. Gzybowski
 NAME
 32,816
 REGISTRATION NUMBER

JC20 Rec'd PCT/PTO 27 JUN 2005

Doc Code:

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2008. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). | | Complete if Known 10/540808 | |
| <h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2005</h2> | | Application Number | Unknown |
| | | Filing Date | June 27, 2005 |
| | | First Named Inventor | Yuanchao LI, et al |
| | | Examiner Name | Unknown |
| | | Art Unit | Unknown |
| | | Attorney Docket No. | 13369701-0001 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | | |
| TOTAL AMOUNT OF PAYMENT (\$) | | \$940.00 | |

METHOD OF PAYMENT (check all that apply)

☐ Check
 ☐ Credit Card
 ☐ Money Order
 ☐ None
 ☐ Other (please identify): _____

☒ Deposit
 Deposit Account Number: 12-2136
 Deposit Account Name: BUTZEL LONG

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17
 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid(\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|---------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|----------------------------------------------------|----------|-----------------------|
| Each claim over 20 (including Reissues) | 50 | 25 |
| Each independent claim over 3 (including Reissues) | 200 | 100 |
| Multiple dependent claims | 360 | 180 |

Total Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
 _____ - 20 or HP = _____ x \$50.00 = \$0.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims **Extra Claims** **Fee (\$)** **Fee Paid (\$)**
 _____ - 3 or HP = _____ x \$200.00 = \$0.00

HP = highest number of independent claims paid for, if greater than 3.

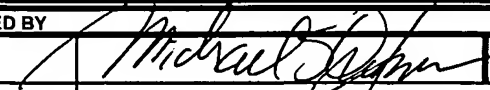
3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listing under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets **Extra Sheets** **Number of each additional 50 or fraction thereof** **Fee (\$)** **Fee Paid (\$)**
 _____ - 100 = 0 / 50 0 (round up to a whole) x \$250.00 = \$0.00

4. OTHER FEE(S)

Non-English specification, \$130 fee (no small entity discount)
 Other (e.g., late filing surcharge): **BASIC NATIONAL FILING FEE AND RECORDATION FEE** **\$940.00**

| | | | | | |
|---------------------|-------------------------------------------------------------------------------------|------------------|--------|-----------|---------------|
| SUBMITTED BY | | | | | |
| Signature |  | Registration No. | 32,816 | Telephone | 734.995.3110 |
| Name (Print/Type) | Michael S. Gzybowski | (Attorney/Agent) | | Date | June 27, 2005 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

01789 U.S. PTO
062705

10/540908
ATTORNEY'S DOCKET NO.: 133697000001
JC20 Rec'd PCT/PTO 27 JUN 2005

"EXPRESS MAIL" COVER LETTER
U.S. PATENT APPLICATION

Date: June 27, 2005

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: APPLICANTS: Yuanchao LI, Jianping ZUO, Fan ZHANG, Ru ZHOU, and Jian DING

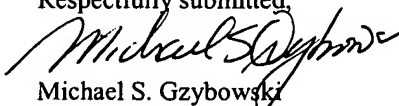
TITLE OF INVENTION: TRIPTOLIDE DERIVATIVES AND THEIR USES

Sir:

Forwarded herewith is the above-identified application, consisting of the following:

Express Mail Cover Letter
Certificate of Mailing by "Express Mail"
Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing
Under 35 U.S.C. 371 - **In Duplicate**
PCT Publication of International Application No. PCT/CN2003/000095 (Publication No. PCTWO2004/058770A1)
Translation of International Application No. PCT/CN2003/000095 (Publication No. PCT/WO 2004/058770 A1)
into English Including Specification (43 pages), Claims (2 pages) and Abstract (1 page)
Eleven (11) Drawing Sheets
Preliminary Amendment (20 pages)
PCT/USA National Declaration and Power of Attorney (3 pages)
PCT Information Concerning Elected Offices Notified of Their Election (5 pages)
International Search Report (PCT/ISA/210) in English and Chinese (4 pages)
Recordation Form Cover Sheet (PTO-1595) and Attachment (1 page)
Assignment (1 page)
Fee Transmittal (1 page)
Return Post Card

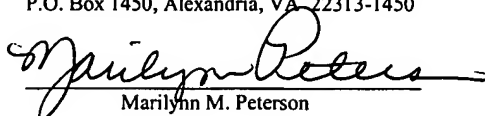
Respectfully submitted,

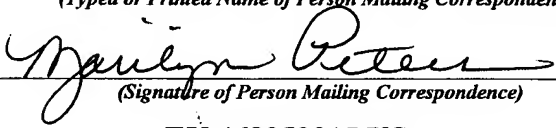


Michael S. Gzybowski
Reg. No. 32,816
Attorney for Applicant

BUTZEL LONG
350 South Main Street
Suite 300
Ann Arbor, MI 48104
734-995-3110 (ph)

"EXPRESS MAIL" Mailing No. EV 468352315 US
Date of Deposit: June 27, 2005
I hereby certify that this paper is being deposited with
The United States Postal Service "EXPRESS MAIL
POST OFFICE TO ADDRESSEE" service under
37 CFR 1.10 on the date indicated above and is addressed
to the Mail Stop PCT, Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450


Marilynn M. Peterson

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| CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) | | Docket No. 13369701-0001 | | | |
| Applicant(s): Yuanchao LI, Jianping ZHANG, Fan ZHANG, Ru ZHOU and Jian DING | | | | | |
| Application No. 10/540908 Unknown | Filing Date June 27, 2005 | Examiner Unknown | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> Customer No. 35684 </td> <td style="width: 50%; padding: 5px;"> Group Art Unit Unknown </td> </tr> </table> | Customer No. 35684 | Group Art Unit Unknown |
| Customer No. 35684 | Group Art Unit Unknown | | | | |
| Invention: TRIPTOLIDE DERIVATIVES AND THEIR USES | | | | | |
| <p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> Express Mail Cover Letter, Transmittal Letter to the U.S. Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371 - In Duplicate, PCT Publication of International Application No. PCT/CN2003/000095 (Publication No. PCTWO2004/058770A1), Translation of International Application No. PCT/CN2003/000095 (Publication No. PCT/WO 2004/058770 A1) into English Including Specification (43 pages), Claims (2 pages) and Abstract (1 page), Eleven (11) Drawing Sheets, Preliminary Amendment (20 pages), PCT Information Concerning Elected Offices Notified of Their Election (5 pages), PCT/USA National Declaration and Power of Attorney (3 pages), International Search Report (PCT/ISA/210) in English and Chinese (4 pages), Recordation Form Cover Sheet (PTO-1595) and Attachment (1-page), Assignment (1-page), Fee Transmittal (1-page), and Return Post Card <i>(Identify type of correspondence)</i> </div> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>June 27, 2005</u> <i>(Date)</i></p> <div style="text-align: center; margin-top: 20px;"> Marilynn M. Peterson <i>(Typed or Printed Name of Person Mailing Correspondence)</i>  <i>(Signature of Person Mailing Correspondence)</i> EV 468352315 US <i>("Express Mail" Mailing Label Number)</i> </div> | | | | | |
| Note: Each paper must have its own certificate of mailing. | | | | | |